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The Hammond Collection of Reprints, now housed in the Library at Thames Ditton, represents only that part of Sir John's collection dealing specifically with milk. It falls broadly into two distinct parts - the milk-producing animal and the varying physiological, environmental and nutritional factors which affect the secretion, yield and composition of milk, and the milk itself after milking, its composition, properties and utilization. A table of contents sets out the main headings of the classification, and there are numerous see also references after each section to where additional material, different aspects of the same subject or correlated subjects are to be found.

A classified catalogue is by its very nature subjective, and it is hoped that the compiler's personal approach will not prove too controversial. There is, however, after many sections adequate space for interpolation, emendation or comment, and if any subject remains elusive, there is always the index.

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ENVIRONMENTAL FACTORS AFFECTING MILK YIELD & COMPOSITION

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ENVIRONMENTAL FACTORS AFFECTING MILK YIELD & COMPOSITION

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NUTRITIONAL FACTORS AFFECTING MILK YIELD & COMPOSITION

TYPE OF FEED - CONCENTRATES, FATS & OILS

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Saertr. 110 Norg. LandbrHøgsk. Fôringsforsøk
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Klushkin, K.I.
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NUTRITIONAL FACTORS AFFECTING MILK YIELD & COMPOSITION

TYPE OF FEED - FEED ADDITIVES

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Istituto Sperimentale Zootecnico, Rome
Ann. Sper. Agr. 1956 New series 10(1) 7-24 66(28)

See also NUTRITIONAL FACTORS - CONCENTRATES, FATS & OILS for cod liver oil, etc.

" " - MINERALS for mineral supplements

" " - RESIDUES for yeast

" " - VITAMINS for vitamin supplements

" PHYSIOLOGICAL FACTORS - DISEASE - MASTITIS, etc. for antibiotic use

" MILK SECRETION - PHYSIOLOGY OF LACTATION for lactogenic hormones, sex hormones, thyroxine, etc.

" " - PHYSIOLOGY OF MAMMARY DEVELOPMENT & FUNCTION - REPRODUCTIVE DISORDERS & USE OF HORMONES

NUTRITIONAL FACTORS AFFECTING MILK YIELD & COMPOSITION

TYPE OF FEED - GRAINS & CEREALS

Raimondi, R.
Il valore trofico degli embrioni del grano nell'alimentazione dei bovini da latte (Nutritional value of wheat germ in the feeding of dairy cows)
Istituto Zootecnico e Caseario per il Piemonte, Turin
Ital. Agric. 1936 73(6) (13p.) 34(26)

Wenzel, E.
A. Forsøg med majsbaerme som foder til malkekøer (Maize as a feed for dairy cows)
Beretn. 125 Lab. Landøkon. Forsøg, Kbn. 1928 29p. 7(2)

See also NUTRITIONAL FACTORS - RESIDUES for rice bran

" " - SILAGE for corn silage

NUTRITIONAL FACTORS AFFECTING MILK YIELD & COMPOSITION

TYPE OF FEED - GRASS & GRAZING

Bartlett, S. et al.
The effect of different methods of drying on the biolcgical value and digestibility of the proteins and on the carotene content of grass
Biochem. J. 1938 32(11) 2024-2030 (N.I.R.D. 495) 38(15)

----- et al.
Oestrogens in grass and their possible effects on milk secretion (Abstract)
Nature Nov. 27, 1948 162 845 (N.I.R.D. 1005) 51(11)

Blom, I.J.B.
Variations in the iodine content of grasses at different stages of growth and a note on the iodine content of milk
(Studies in mineral metabolism XXX)
Onderstepoort J. Vet. Sci. 1934 2(1) 139-150 37(18)

Csukas, Z.
A tej összetételének megváltozása legeltetéskor (Changes in the composition of milk at grazing) (English & German summaries)
Budapest Univ. Fac. Agric. Inst. Zootec.
Kisérletü. Közl. 1934 37(4/6) (16p.) 33(9)

La modification de la composition du lait à l'époque de la paisson
(Modifications in the composition of milk during grazing)
Lait 1934 14 808-811 33(7)

Hvidsten, H. et al.
Undersøkelser over fôringas virkning på oksydasjonsfeil i mjølk
(Investigations on the effects of feeding on the oxidized flavor in milk)
II. Fôring med store mengder høy og surfôr og virkningen av beite
Foreløpige resultater (Feeding on hay and silage and the effect of pasture. Preliminary report) (English summary)
Saertr. 111 Norg. LandbrHøgsk. Fôringsforsøk
Meieriposten 1952 41 241-245 263-265 61(38)

Isaachsen, H. & Ellingbø, M.
Korte bemerkninger om kulturbeitet i Nordbyengen 1924 og om haabeiting
(Short observations on cultivated and aftermath grass in Nordbyengen in 1924 and on milk yield)
Medd. 19 Norg. LandbrHøgsk. Fôringsforsøk 1926 5p. 6(2)

TYPE OF FEED - GRASS & GRAZING (cont.)

Johansson, I.
Betesgångens inflytande på kornas mjölkavkastning och mjölkens fetthalt
(Influence of grazing on milk yield and fat content of milk)
LantbrVeckan 1935 (20p.) 33(13)

Undersökningar över avkastningsresultaten inom Thörsatrabesättningen
under stallfodring och betesgång (Examination of production results in
the Thörsatra herd from stall feeding and grazing) (English summary)
Medd. 13 LantbrAkad. LantbrAvdeln. 1937: 53p. 36(2)

Variationen i kornas mjölkavkastning och mjölkens fetthalt under
betesperioden samt vid övergång från stallfodring till bete (Variations
in milk yield and fat content of milk during grazing and the transition
for stall-feeding to pasturing) (German summary)
Svenska Betes- o. Vallfören. Årsskr. 1934 67-85 33(11)

McDowall, F.H. et al.
Land-cress taint in cream and butter
I. Introduction
II. The essential oils of land-cress (Coronopus didymus) and of garden-cress (Lepidium sativum)
N.Z.J. Sci. Tech. 1947 28(5A) 305-315 (D.R.I. 194) 60(46)

----- et al.
Land-cress taint in cream and butter
III. Relation of conditions of feeding land-cress to cows to incidence of land-cress taint in cream and butter
N.Z.J. Sci. Tech. 1947 28(6A) 370-384 (D.R.I. 199) 60(47)

----- et al.
Land-cress taint in cream and butter
IV. The relation of the essential oils of land cress (Coronopus didymus) to the occurence (sic) of land-cress taint in cream and butter
N.Z.J. Sci. Tech. 1951 33(4A) 30-34 (D.R.I. 235) 60(27)

----- et al.
Land-cress taint in cream and butter
VI. Further experiments on the control grazing of land-cress infested pastures
N.Z.J. Sci. Tech. 1951 33(4A) 51-52 (D.R.I. 237) 60(26)

NUTRITIONAL FACTORS AFFECTING MILK YIELD & COMPOSITION

TYPE OF FEED - GRASS & GRAZING (cont.)

Milk Marketing Board
A success story. What good A.I. breeding and good grass feeding will do!
(1952) 3p. 53(15)

Riddet, W. et al.
Investigations of feed flavour in cream and butter. Season 1935-36 (grazing and stall-feeding trials)
I. Feed flavour in cream, by W.Riddet et al.
II. Feed flavour in butter, by E.B.Levy et al.
N.Z. Coun. Sci. Ind. Res. Bull. 52 1937 29p. (D.R.I. 84) 34(6) & 39(24)

Witt, M.
Einfluss rohfaserreicher und rohfaserarmer Beifuttermittel auf den Fettgehalt der Milch während des Weideganges (Influence of supplementary feeding rich or poor in bulk on the fat content of milk during grazing)
Kali-Briefe Oct., 1957 (5p.) 69(25)

See also MILK PRODUCTION - DAIRYING - NEW ZEALAND & U.S.A. for stocking rate & control grazing
" " - ECONOMICS for cost of grazing
" ENVIRONMENTAL FACTORS - SEASON OF THE YEAR

" NUTRITIONAL FACTORS - HAY, PROTEINS, ROUGHAGE, SILAGE

" MILK COMPOSITION - BUTTERFAT

" PHYSICAL PROPERTIES OF MILK - FLAVOURS & TAINTS

NUTRITIONAL FACTORS AFFECTING MILK YIELD & COMPOSITION

TYPE OF FEED - GREEN FODDER

Homb, T. et al.
Prøvefôring med rapsfrømel til melkekyr (Feeding rape to dairy cows)
Felles Meld. Saertr. 179 Norg. LandbrHøgsk. Fôringsforsøk, Hellerud
Forsøk & St. Kornforretn.
Tidsskr. Norske Landbr. 1958 65 253-264 69(24)

Kronacher, C. et al.
Anbau- und Fütterungsversuche mit der gelben Süsslupine der SEG.
(Inquiry into cultivating and feeding green sweet lupin)
III. Grünfütterungsversuche mit Süsslupinen an Milchkühen (Feeding green sweet lupin to dairy cows)
Z. Tierz. ZüchtBiol. 1934 31(2) 137-146 29(12)

----- & Kliesch, J.
Grünfütterungsversuche mit der Süsslupine der SEG. an Milchkühen (Inquiry into the effect of feeding green sweet lupin to dairy cows)
Züchtungskunde 1934 9(12) 441-443 29(11)

Steensberg, V. & Winther, J.E.
Forsøg med lupin som foder til malkekøer (Lupin as fodder for dairy cows)
I. Lupin-A.I.V.-foder og frisk sødlupin som foder til malkekøer (Lupin A.I.V. silage and green sweet lupin as feed for dairy cows)
II. Fordøjeligheden af sødlupin hos kvaeg (Digestibility of sweet lupin for cattle)
III. Om bestemmelse af alkaloidindholdet i lupin (On the alkaloid content of lupin) (English summary)
Beretn. 177 Lab. Landøkon. Forsøg, Kbn. 1938 7-56 38(8)

Vezzani, V.
Le foglie di gelso nell'alimentazione delle vacche da latte (Mulberry leaves as fodder for dairy cows)
Ann. Sper. Agr. 1938 29 (15p.) 38(18)

See also NUTRITIONAL FACTORS - HAY for alfalfa (lucerne) hay
" SILAGE for lupin silage

" PHYSICAL PROPERTIES OF MILK - FLAVOURS & TAINTS for alfalfa feed flavour

NUTRITIONAL FACTORS AFFECTING MILK YIELD & COMPOSITION

TYPE OF FEED - HAY

Balch, C.C. et al.
Studies of the secretion of milk of low fat content by cows on diets low in hay and high in concentrates
I. The effect of variations in the amount of hay
J. Dairy Res. 1952 19(1) 39-50 (N.I.R.D. 1267) 61(2)

Dijkstra, N.D.
Vergelijkende onderzoekingen over de verliezen bij hooiwinning op den grond en met behulp van ruiters (Investigations into the losses of nutrients in hay dried on the ground as compared with drying on tripods) (English summary)
Hoorn Agricultural Experiment Station
Versl. Landbouwk. Onderzoek. 1947 53(3) C 49-144 50(25)

Fraser, W.J. & Hayden, C.C.
Alfalfa hay vs. timothy hay and alfalfa hay vs. bran for dairy cows
Illinois Univ. Agric. Exp. Sta. Bull. 146 1910 131-144 59(5)

Graves, R.R. et al.
Feeding dairy cows on alfalfa hay alone
U.S.D.A. Tech. Bull. 610 1938 46p. 38(5)

Hvidsten, H. et al.
Undersøkelser over fôringas virkning på oksydasjonsfeil i mjølk
(Investigations on the effects of feeding on the oxidized flavor in milk)
II. Fôring med store mengder høy og surfôr og virkningen av beite
Foreløpige resultater (Feeding on hay and silage and the effect of pasture. Preliminary report) (English summary)
Saertr. 111 Norg. LandbrHøgsk. Fôringsforsøk
Meieriposten 1952 41 241-245 263-265 61(38)

Kronacher, C. et al.
Fütterungsversuche mit verschiedenen Heuarten an Milchkühen (Inquiry into feeding various kinds of hay to dairy cows)
Züchtungskunde 1935 10(5) 176-180 29(13)

Wenzel, H. & Lund, A.
I. Forsøg med hø som foder til malkekøer (Hay as a feed for dairy cows) by H. Wenzel
II. Undersøgelser over fordøjeligheden af høsorter hos kvaeg (Digestibility of different sorts of hay by cows) by A.Lund (English summary)
Beretn. 126 Lab. Landøkon. Forsøg, Kbn. 1928 65p. 7(3)

See also NUTRITIONAL FACTORS - PROTEINS

NUTRITIONAL FACTORS AFFECTING MILK YIELD & COMPOSITION

TYPE OF FEED - MINERALS

Arnold, P.T.D. & Becker, R.B.
Influence of preceding dry period and of mineral supplement on lactation
J. Dairy Sci. 1936 19(4) 257-266 36(20)

Bečka, J. & Kříženecký, J.
Jak lze minerálíemi působiti na tučnost mléka (How the fat content of milk can be influenced by mineral substances) (German summary)
Brno Agric. Res. Inst. Pub. 302
Sborn. čsl. Akad. Zeměd. 1937 12(3) 236-246 37(12)

Becker, R.B. et al.
Effect of mineral deficiency on the yield and composition of cow's milk
J. Dairy Sci. 1927 10(2) 169-175 7(12)

Boda, J.M. & Cole, H.H.
The influence of dietary calcium and phosphorus on the incidence of milk fever in dairy cattle
J. Dairy Sci. 1954 37(4) 360-372 61(13)

Crowther, C. & Woodman, H.E.
A study of nitrogen metabolism in the dairy cow (nitrogen balance)
J. Agric. Sci. 1922 12(1) 40-56 1(13)

Dowden, H.C.
The determination of small amounts of dimethylamine in biological fluids (nitrogen excretion)
Biochem. J. 1938 32(3) 455-459 (N.I.R.D. 450) 39(9)

Note on the quantity of theobromine in the milk of cows fed on a diet including this alkaloid (in cacao shells)
Biochem. J. 1938 32(1) 71-73 (N.I.R.D. 439) 35(54)

Dunlop, G.
Use your milk records (importance of trace elements in feed)
Guernsey Breeders' J. Lond. (Winter) 1953 (4p.) 61(12)

Groenewald, J.W.
The influence of rations low in certain minerals on the composition of the blood and milk of cows, and on the blood of their progeny
Thesis Pretoria University, South Africa
Onderstepoort J. Vet. Sci. 1935 4(1) 93-165 37(19)

NUTRITIONAL FACTORS AFFECTING MILK YIELD & COMPOSITION

TYPE OF FEED - MINERALS (cont.)

Henry, K.M. & Kon, S.K.
The retention of calcium by the rat in the presence and in the absence of vitamin C
Biochem. J. 1939 33(10) 1652-1654 (N.I.R.D. 553) 43(7)

----- & -----
Studies on the metabolism of calcium and phosphorus and on the availability of these elements from milk and from an inorganic source
Biochem. J. 1939 33(2) 173-191 (N.I.R.D. 505) 39(19)

Honoré, R. & Hvidsten, H.
Undersøkelser over fôringas virkning på oksydasjonsfeil i mjølk (Investigations on the effects of feeding on the oxidized flavor in milk) III. Tilskudd av kopper til fôret (Addition of copper to the feed) (English summary)
Saertr. 112 Norg. LandbrHøgsk. Fôringsforsøk
Meieriposten 1952 41 309-313 61(39)

Isaachsen, H.
Askebalansen hos melkeku (Ash balance of milch cows)
? 1925 16p. 7(7)

Křížecký, J.
Untersuchungen über die Beeinflussung der Milchfettproduktion durch Mineralstoffe (Influence of minerals on milk fat production)
Brno Agric. Res. Inst. Pub. 355
Tierernährung 1940 12 368-394 44(20)

Kronacher, C. & Kliesch, J.
Untersuchungen über die Einwirkung von Chlorkalzium und Kalziumkarbonat auf den Milchertrag (Effect of calcium chloride and calcium carbonate on milk yield)
Dtsch. Landw. Tierz. 1931 (36) (7p.) 17(2)

Lauder, A. & Fagan, T.W.
On the effect of increasing the amount of calcium phosphate in the ration of cows on the composition of the milk
Trans. Brit. Assoc. Advanc. Sci. Section M 1915 ml 3(4)

NUTRITIONAL FACTORS AFFECTING MILK YIELD & COMPOSITION

TYPE OF FEED - MINERALS (cont.)

Macomber, D.
Effect of a diet low in calcium on fertility, pregnancy and lactation in the rat
J. Amer. Med. Assoc. 1927 88 6-11 7(4)

Meigs, E.B. & Woodward, T.E.
The influence of calcium and phosphorus in the feed on the milk yield of dairy cows
U.S.D.A. Bull. 945 1921 28p. 2(15)

Scheunert, A. et al.
Beitrag zur Frage der Mineralsalzbeifütterung an Milchtiere (On feeding minerals to dairy cows) (English summary) (hay fed with mineral supplement)
Tierernährung 1930 2(3) 253-261 17(1)

Sjollema, B. et al.
Over de werking van injecties van organische calciumzouten - in het bijzonder van gluconzuurcalcium - bij runderen (Effect of injection of organic calcium salts - especially calcium gluconate - on cattle) (French, English & German summaries)
Tijdschr. Diergeneesk. 1931 57(5) (6p.) 17(3)

Westerlund, A.
The availability for intestinal absorption of phosphorus from different sources in lactating cows (Swedish summary)
K. LantbrHøgsk. Ann. 1958 24 397-415 69(9)

Graphical descriptions of some metabolism experiments with lactating animals - cows and goats (nitrogen digestibility)
In Physiological papers, dedicated to Professor August Krogh Levin & Munksgaard Copenhagen 1926 308-345 5(12)

The metabolic behaviour of phosphorus
V. In milch cows
K. LantbrHøgsk. Ann. 1956 22 317-352 64(5)

NUTRITIONAL FACTORS AFFECTING MILK YIELD & COMPOSITION

TYPE OF FEED - MINERALS (cont.)

Westerlund, A.
Mjölkkornas calcium- och fosfor-omsättning (Intake of calcium and phosphorus in dairy cattle)
LantbrArnas Fick-Kal. 1947 (11p.) 53(7)

See also NUTRITIONAL FACTORS - GREEN FODDER, ROUGHAGE, SILAGE

" PHYSIOLOGICAL FACTORS - DISEASE - METABOLIC DISORDERS for results of mineral deficiency, etc.

" MILK COMPOSITION - SOLIDS-NOT-FAT - MINERAL CONTENT (ASH)

" PHYSICAL PROPERTIES OF MILK - FLAVOURS & TAINTS

NUTRITIONAL FACTORS AFFECTING MILK YIELD & COMPOSITION

TYPE OF FEED - PROTEINS

Ayre, C.A.
The lysine content of feeding stuffs
Biochem. J. 1938 32(7) 1152-1156 (N.I.R.D. 472) 38(14)

Bartlett, S.
A comparison between blood meal and wheat gluten as a supplement to a low protein diet for dairy cows
J. Dairy Res. 1936 7(3) 222-227 (N.I.R.D. 392) 49(47)

Blaxter, K.L. & Price, H.A.
Experiments on the use of home-grown foods for milk production
V. The protein requirements of growing dairy heifers
J. Agric. Sci. 1946 36(4) 301-309 (N.I.R.D. 900) 52(23)

Fowler, A.B. et al.
The quality of protein in relation to milk production
Scot. J. Agric. 1934 17(3) (9p.) 29(20a)

Grimmer, W. & Rauschning, S.
Uber die Eiweisskörper des Mohn- und Cocoskuchens (On the proteins of poppy and coconut cake)
Milchw. Forsch. 1930 11(3) 218-241 21(9)

Harrison, E.S. & Savage, E.S.
The effect of different planes of protein intake upon milk production
Cornell Univ. Agric. Exp. Sta. Bull. 540 1932 24p. 34(23) & 38(2)

----- et al.
The effect of different planes of protein intake upon milk production
II. Further comparisons of 16-, 20-, and 24-per-cent mixtures
Cornell Univ. Agric. Exp. Sta. Bull. 578 1933 12p. 34(24) & 38(3)

Henry, K.M. & Kon, S.K.
The supplementary relationships between the proteins of dairy products and those of bread and potato as affected by the method of feeding
With a note on the value of soya-bean protein
J. Dairy Res. 1946 14(3) 330-339 (N.I.R.D. 886) 45(18)

Hewitt, A.C.T.
Meat-meal as a supplementary source of protein for milking cows on pasture
Emp. J. Exp. Agric. 1939 7(26) 184-192 36(11)

NUTRITIONAL FACTORS AFFECTING MILK YIELD & COMPOSITION

TYPE OF FEED - PROTEINS (cont.)

Hildprandt, R.
Jak lze kontrolovati spotřebu stravitelných bílkovin na 1 kg nadojeného mléka (Protein required for 1 kg. of milk) (German translation)
Brno Agric. Res. Inst. Pub. 197
Věstn. čsl. Akad. Zeměd. 1933 9(5) 326-329 29(15)

Isaachsen, H. et al.
Den salte silds fordøielighet og verdi i melkeproduksjonen (Digestibility and value for milk production of salt herrings)
Medd. 16 Norg. LandbrHøgsk. Fôringsforsøk 1922 14p. 7(8)

Kozlowska, M. et al.
A technic for studying lactation in small animals and its use in evaluating protein levels in the diet
J. Nutrit. 1932 5(1) 61-67 17(7)

M'Candlish, A.C.
The protein supply for dairy cows
W. Scot. Agric. Coll. Res. Bull. 6 1938 46p. 38(4)

Mackintosh, J.
Protein standards for milk production
Agric. Progr. 1939 16(2) 195-201 (N.I.R.D. 547) 42(42)

Maynard, L.A. & Bender, R.C.
Lactation studies with rats fed a high-protein diet
Proc. Amer. Soc. Anim. Prod. 1927 (6p.) 14(18)

Morris, S. & Wright, N.C.
The nutritive value of proteins for milk production
II. A comparison of the proteins of blood meal, pea meal, decorticated earth-nut cake, and a mixture of decorticated earth-nut cake and flaked maize
J. Dairy Res. 1933 5(1) 1-14 29(21)

The nutritive value of proteins for milk production
III. The determination of the amino acids of various feeds
J. Dairy Res. 1934 5(2) 108-112 29(22)

NUTRITIONAL FACTORS AFFECTING MILK YIELD & COMPOSITION

TYPE OF FEED - PROTEINS (cont.)

Morris, S. et al.
The nutritive value of proteins for milk production
IV. A comparison of the proteins of (a) spring and autumn grass (b) grass conserved as silage (A.I.V. acid treated, molasses treated and ordinary untreated), and (c) grass conserved by drying, with notes on (i) the effect of heat treatment on the nutritive value and (ii) the supplementary relations of food proteins
J. Dairy Res. 1936 7(2) 97-121 38(16)

See also MILK SECRETION - BIOSYNTHESIS OF MILK - PROTEIN (nitrogen)

" MILK COMPOSITION - SOLIDS-NOT-FAT - PROTEIN

NUTRITIONAL FACTORS AFFECTING MILK YIELD & COMPOSITION

TYPE OF FEED - RESIDUES

Bonadonna, T.
Le son de riz vierge dans l'alimentation des vaches laitières - expériences de 1936 (Pure rice bran in the feeding of dairy cows - 1936 experiments)
Lait 1937 17 1025-1040 38(9)

Dassat, P.
Lievito di birra normale e irradiato nell'alimentazione dei bovini da latte (Yeast from ordinary and irradiated beer in the feeding of dairy cattle)
Istituto Zootecnico e Caseario per il Piemonte, Turin
Ann. Tec. Agr. 1934 8(1) (27p.) 34(28)

Ricerche sperimentali su pulcini circa il valore trofico del latte di vacca la cui razione normale venga arricchita con lievito di birra secco irradiato (Experimental research with chicks on the nutritional value of milk from cows whose normal ration has been enriched with yeast from irradiated dry beer)
Istituto Zootecnico e Caseario per il Piemonte, Turin
Riv. Avicultura 1934 12(3) (7p.) 34(25)

Davies, W.L.
The diffusion of trimethylamine oxide from the udder (betaine, derived from beet by-products, also produces taint in milk)
J. Dairy Res. 1938 9(3) 323-326 (N.I.R.D. 484) 35(53)

Eskedal, H.W.
I. Kartoffelpulp som foder til malkekøer (Potato pulp as a feed for dairy cows) (English summary)
Beretn. 178 Lab. Landøkon. Forsøg, Kbn. 1938 5-17 38(8a)

McCay, C.M. et al.
The influence of hydrogenation and of yeast in counteracting cod liver oil injury in herbivora, and the influence of salmon oil on milk fat secretion
J. Nutrit. 1938 15(4) 367-375 37(11)

Maymone, B. & Giustozzi, D.
Ricerche sul valore nutritivo della sansa vergine di olive impiegata nell'alimentazione delle vacche da latte (On the nutritive value of stoned olive husks in the feeding of dairy cows) (English summary)
Ann. Ist. Sper. Zootec. Roma 1935 2 355-383 34(30)

TYPE OF FEED - RESIDUES (cont.)

Raimondi, R.
L'impiego della sansa esausta di olive nell'alimentazione delle vacche da latte (The role of pressed olive husks in the feeding of dairy cows)
Istituto Zootecnico e Caseario per il Piemonte, Turin
Riv. Zootec. 1937 14(2/3) (24p.) 38(10)

Switzerland, Zurich, Federal Technical College
Verfüttern von Trockentrestern (Fodder from dried residues) (marc from apples and pears)
Mitt. Gutsverwaltung Liebefeld & Inst. Haustierernähr. ETH
n.d. 3p. 64(9)

NUTRITIONAL FACTORS AFFECTING MILK YIELD & COMPOSITION

TYPE OF FEED - ROOTS

Hansson, N.
Rotfruktsgivornas optimum belyst genom utfodringsförsök med mjölkkor
(Feeding experiments with roots on milk yield) (English summary)
Medd. 268 CentAnst. Försöksv. Jordbr. Stockholm 1924 34p. 4(22)

Paci, C. & Savini, E.
L'influenza dei foraggi insilati e delle barbabietole sulla produzione del latte e sulla riuscita del burro e di alcuni formaggi crudi
(Influence of silage and roots on the production of milk, butter and cheese)
Ann. Ist. Sper. Caseif. Lodi 1933 6(7/8) (85p.) 29(6)

Wilson, J.
The optimum quantity of roots for high-yielding cows
J. Dept. Lds Agric. Dublin 192? 24(3) (5p.) 4(24)

See also NUTRITIONAL FACTORS - RESIDUES for potato pulp & beet by-products

NUTRITIONAL FACTORS AFFECTING MILK YIELD & COMPOSITION

TYPE OF FEED - ROUGHAGE

Becker, R.B. et al.
Effect of calcium-deficient roughages upon milk production and welfare of dairy cows
Florida Univ. Agric. Exp. Sta. Bull. 262 1933 28p. 38(6)

----- et al.
Effect of calcium-deficient roughages upon milk yield and bone strength in cattle
J. Dairy Sci. 1934 17(1) 1-10 38(7)

Hodgson, R.E. et al.
The relation of color and carotene content of roughage in the dairy ration to the color, carotene content, and vitamin A activity of butterfat
J. Agric. Res. 1938 57(7) 513-528 37(1)

Isaachsen, H.
Lauvets sammensetning, fordøielighet og melkeproduksjonsverdi (Leaves, their composition, digestibility and value in milk production) (English summary) (dried ash, aspen, alder & birch leaves)
Medd. 15 Norg. LandbrHøgsk. Fôringsforsøk 1921 28p. 7(6)

Kronacher, C. et al.
Untersuchungen über die Auswirkung der Verfütterung von Trockenschnitzeln gegenüber Futterrüben auf die quantitative und qualitative Milchleistung bei Kühen (On the effect of feeding dried cuttings on the quantity and quality of milk yield) (English summary)
Tierernährung 1933 5(6) 648-652 29(10)

Loosli, J.K. et al.
The effect of roughage intake upon the fat content of milk
J. Dairy Sci. 1945 28(2) 147-153 47(43)

NUTRITIONAL FACTORS AFFECTING MILK YIELD & COMPOSITION

TYPE OF FEED - SILAGE

Breirem, K.
Surfôrkvalitet og melkekvalitet (Silage quality and milk quality)
Saertr. 109 Norg. LandbrHøgsk. Fôringsforsøk
Meieriposten 1952 41 73-79 61(40)

Carbone, E.
Alcuni tipi di foraggi insilati nell'alimentazione delle vacche da latte (Some types of silage as fodder for dairy cows)
Istituto Zootecnico e Caseario per il Piemonte, Turin
Ann. Sper. Agr. 1938 29 (37p.) 38(19)

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" PHYSICAL PROPERTIES OF MILK - FLAVOURS & TAINTS, Effect of HEAT & COLD, Effect of LIGHT

" NUTRITIVE VALUE OF MILK - FOR YOUNG

" MILK HANDLING & PROCESSING - PASTEURIZATION & STERILIZATION

" MILK PRODUCTS - BUTTER - COMPOSITION & PROPERTIES
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PHYSIOLOGICAL FACTORS AFFECTING MILK YIELD & COMPOSITION

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PHYSIOLOGICAL FACTORS AFFECTING MILK YIELD & COMPOSITION

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PHYSIOLOGICAL FACTORS AFFECTING MILK YIELD & COMPOSITION

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PHYSIOLOGICAL FACTORS AFFECTING MILK YIELD & COMPOSITION

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FEED CONVERSION EFFICIENCY (cont.)

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FEED CONVERSION EFFICIENCY (cont.)

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" PHYSICAL PROPERTIES OF MILK - CALORIFIC OR GROSS ENERGY VALUE

PHYSIOLOGICAL FACTORS AFFECTING MILK YIELD & COMPOSITION

HEAT PRODUCTION, RESPIRATION & TEMPERATURE

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" NUTRITIONAL FACTORS - FASTING, OVERFEEDING & UNDERFEEDING

" " - TYPE OF FEED - CONCENTRATES, FATS & OILS, GRASS & GRAZING, MINERALS, ROUGHAGE, SILAGE, VITAMINS

" PHYSIOLOGICAL FACTORS - AGE, CALVING INTERVAL & SEASON, MILK INHERITANCE, Effect of MILKING, SIZE & WEIGHT, STAGE OF LACTATION

" MILK SECRETION - BIOSYNTHESIS OF MILK - BLOOD CONSTITUENTS & FAT

" MILK COMPOSITION - SOLIDS-NOT-FAT - VITAMINS

" " - HUMAN MILK & OF OTHER MILK-PRODUCING ANIMALS

" PHYSICAL PROPERTIES OF MILK - CALORIFIC OR GROSS ENERGY VALUE, COLOUR, Effect of HEAT & COLD, FLAVOURS & TAINTS

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MILK COMPOSITION

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MILK COMPOSITION

SOLIDS-NOT-FAT - VITAMINS

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" PHYSICAL PROPERTIES OF MILK - FLAVOURS & TAINTS, Effect of HEAT & COLD, Effect of LIGHT

" NUTRITIVE VALUE OF MILK & NUTRITIVE VALUE - FOR YOUNG

" MILK HANDLING & PROCESSING - PASTEURIZATION & STERILIZATION

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MILK COMPOSITION

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PHYSICAL PROPERTIES OF MILK

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" MILK PRODUCTS - BUTTER - COMPOSITION & PROPERTIES & DEFECTS,
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PHYSICAL PROPERTIES OF MILK

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PHYSICAL PROPERTIES OF MILK

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" MILK HANDLING & PROCESSING - EFFLUENT DISPOSAL

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